1   WHAT IS CLAIMED IS:

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3   1. A method for performing auto-calibration in a relative pointing device

4   for a computer user interface, the system comprising the steps of

5   detecting whether or not the user is indicating a selection with the device

6   by sensing a change in state from an out of presence state to an in presence state; and

7   using the detected indication to calibrate the device.

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9   2. The method of claim 1, further comprising the steps of

10   creating a profile of readings of the device for a plurality of detections; and

11   using the profile to automatically calibrate a zero-position for the device.

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13   3. The method of claim 2, further comprising the step of

14   augmenting profiles of user use with special hardware features.

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16   4. The method of claim 1, further comprising the step of

17   automatically calibrating for finger geometry.